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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/893,737

DATE: 07/12/2001
TIME: 09:25:38

Input Set : A:\0041.txt
Output Set: N:\CRF3\07122001\I893737.raw

4 <110> APPLICANT: Sheppard, Paul O.
 5 Presnell, Scott R.
 7 <120> TITLE OF INVENTION: MAMMALIAN SECRETED PROTEINS
 9 <130> FILE REFERENCE: 00-41
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/893,737
 C--> 11 <141> CURRENT FILING DATE: 2001-06-28
 11 <150> PRIOR APPLICATION NUMBER: US 60/215,446
 12 <151> PRIOR FILING DATE: 2000-06-30
 14 <160> NUMBER OF SEQ ID NOS: 329
 16 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 453
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Homo sapiens
 23 <220> FEATURE:
 24 <221> NAME/KEY: CDS
 25 <222> LOCATION: (1)...(453)
 27 <400> SEQUENCE: 1
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 29 Met Leu Phe Pro Gly Leu Thr Thr Leu Leu Leu Val Phe Phe
 30 1 5 10 15
 32 ctg ctg gtt ttc tcc ctg cct gct ggc cta cat aca gcc ctc aca gca 96
 33 Leu Leu Val Phe Ser Leu Pro Ala Gly Leu His Thr Ala Leu Thr Ala
 34 20 25 30
 36 gcc aga gga ctc ccc aaa ctg ccc aag cac agc cac atc gcc aaa gac 144
 37 Ala Arg Gly Leu Pro Lys Leu Pro Lys His Ser His Ile Ala Lys Asp
 38 35 40 45
 40 acc cat tca tcc ttc cca tct cag ctc cag ggg ctg ctt tcc aaa gca 192
 41 Thr His Ser Ser Phe Pro Ser Gln Leu Gln Gly Leu Leu Ser Lys Ala
 42 50 55 60
 44 aca cca cat aga cat ccc tgt gat ata gca cag ttc aaa act gtg cgc 240
 45 Thr Pro His Arg His Pro Cys Asp Ile Ala Gln Phe Lys Thr Val Arg
 46 65 70 75 80
 48 att cag gag agc cag cag cag gtg gtc acc aag agg aaa ttc cag cac 288
 49 Ile Gln Glu Ser Gln Gln Val Val Thr Lys Arg Lys Phe Gln His
 50 85 90 95
 52 ttc aca gcc att cac agg cag ggc tcc tat gtt tat caa gac aat agg 336
 53 Phe Thr Ala Ile His Arg Gln Gly Ser Tyr Val Tyr Gln Asp Asn Arg
 54 100 105 110
 56 cgc act act gaa cat aga ccc tca tca gcg gtt ttg ctt ttg ccc ttt 384
 57 Arg Thr Thr Glu His Arg Pro Ser Ser Ala Val Leu Leu Pro Phe
 58 115 120 125
 60 gcc ctg ttt cct cag aag cat gtg atc ttt gtt aga ccc tta tca gtg 432
 61 Ala Leu Phe Pro Gln Lys His Val Ile Phe Val Arg Pro Leu Ser Val
 62 130 135 140
 64 gtt ctg ctt ttt gca ctt tga 453
 65 Val Leu Leu Phe Ala Leu *

ENTERED

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66 145          150
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 150
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 2
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76   1           5           10          15
77 Leu Leu Val Phe Ser Leu Pro Ala Gly Leu His Thr Ala Leu Thr Ala
78   20          25          30
79 Ala Arg Gly Leu Pro Lys Leu Pro Lys His Ser His Ile Ala Lys Asp
80   35          40          45
81 Thr His Ser Ser Phe Pro Ser Gln Leu Gln Gly Leu Leu Ser Lys Ala
82   50          55          60
83 Thr Pro His Arg His Pro Cys Asp Ile Ala Gln Phe Lys Thr Val Arg
84   65          70          75          80
85 Ile Gln Glu Ser Gln Gln Val Val Thr Lys Arg Lys Phe Gln His
86   85          90          95
87 Phe Thr Ala Ile His Arg Gln Gly Ser Tyr Val Tyr Gln Asp Asn Arg
88   100         105         110
89 Arg Thr Thr Glu His Arg Pro Ser Ser Ala Val Leu Leu Pro Phe
90   115         120         125
91 Ala Leu Phe Pro Gln Lys His Val Ile Phe Val Arg Pro Leu Ser Val
92   130         135         140
93 Val Leu Leu Phe Ala Leu
94 145          150
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 303
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapiens
101 <220> FEATURE:
102 <221> NAME/KEY: CDS
103 <222> LOCATION: (1)...(303)
105 <400> SEQUENCE: 3
106 atg gaa atc ctt cac aat gaa atc tca gag ctg gaa tct ctc act ctc      48
107 Met Glu Ile Leu His Asn Glu Ile Ser Glu Leu Glu Ser Leu Thr Leu
108   1           5           10          15
110 gtc cct ccc atc ttc tta ctt tta ccc agc aga tct acc cgt ggg      96
111 Val Pro Pro Leu Ile Phe Leu Leu Pro Ser Arg Ser Thr Arg Gly
112   20          25          30
114 cag ccc ttt tcc caa gta cca ggg gag aaa atg gat tca gaa aag gat      144
115 Gln Pro Phe Ser Gln Val Pro Gly Glu Lys Met Asp Ser Glu Lys Asp
116   35          40          45
118 ttg tgg gga gag gag ctt cca cac tta ata ctg aaa gag gct ttt cat      192
119 Leu Trp Gly Glu Leu Pro His Leu Ile Leu Lys Glu Ala Phe His
120   50          55          60
122 ctg ttt ttc aag cca aca gca gcc cca ttc cca gat tca ctc aag gtc      240
123 Leu Phe Phe Lys Pro Thr Ala Ala Pro Phe Pro Asp Ser Leu Lys Val
124   65          70          75          80

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126	tcc ctt aca tgt ccc tgg aaa gaa gga ggg tca cat aca aga tgc cag	288
127	Ser Leu Thr Cys Pro Trp Lys Glu Gly Gly Ser His Thr Arg Cys Gln	
128	85 90 95	
130	agt ggc agc agg tga	303
131	Ser Gly Ser Arg *	
132	100	
135	<210> SEQ ID NO: 4	
136	<211> LENGTH: 100	
137	<212> TYPE: PRT	
138	<213> ORGANISM: Homo sapiens	
140	<400> SEQUENCE: 4	
141	Met Glu Ile Leu His Asn Glu Ile Ser Glu Leu Glu Ser Leu Thr Leu	
142	1 5 10 15	
143	Val Pro Pro Leu Ile Phe Leu Leu Leu Pro Ser Arg Ser Thr Arg Gly	
144	20 25 30	
145	Gln Pro Phe Ser Gln Val Pro Gly Glu Lys Met Asp Ser Glu Lys Asp	
146	35 40 45	
147	Leu Trp Gly Glu Glu Leu Pro His Leu Ile Leu Lys Glu Ala Phe His	
148	50 55 60	
149	Leu Phe Phe Lys Pro Thr Ala Ala Pro Phe Pro Asp Ser Leu Lys Val	
150	65 70 75 80	
151	Ser Leu Thr Cys Pro Trp Lys Glu Gly Gly Ser His Thr Arg Cys Gln	
152	85 90 95	
153	Ser Gly Ser Arg	
154	100	
156	<210> SEQ ID NO: 5	
157	<211> LENGTH: 276	
158	<212> TYPE: DNA	
159	<213> ORGANISM: Homo sapiens	
161	<220> FEATURE:	
162	<221> NAME/KEY: CDS	
163	<222> LOCATION: (1)...(276)	
165	<400> SEQUENCE: 5	
166	atg agt ttg ctg ttg ctg	48
167	Met Ser Leu	
168	1 5 10 15	
170	ctg ttt aaa tgg aaa aga aga gta gta agt ggt cat ctt ctc agc gtc	96
171	Leu Phe Lys Trp Lys Arg Arg Val Val Ser Gly His Leu Leu Ser Val	
172	20 25 30	
174	tgg tgc tgg tcc cgc cca cac act gtg gca gag cag acc cac ctg ttg	144
175	Trp Cys Trp Ser Arg Pro His Thr Val Ala Glu Gln Thr His Leu Leu	
176	35 40 45	
178	tca ctg gga aat gag ggg ctg cag gta ctg ccc tta gac aat gga ggt	192
179	Ser Leu Gly Asn Glu Gly Leu Gln Val Leu Pro Leu Asp Asn Gly Gly	
180	50 55 60	
182	ggc caa gga cgt ttg ggg aca gat tac agg aaa gct caa caa ttc cct	240
183	Gly Gln Gly Arg Leu Gly Thr Asp Tyr Arg Lys Ala Gln Gln Phe Pro	
184	65 70 75 80	
186	tca tgc ttt ggt gag cac tgg cct cct ttt taa	276

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Input Set : A:\0041.txt
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187 Ser Cys Phe Gly Val Glu His Trp Pro Pro Phe *
 188 85 90
 191 <210> SEQ ID NO: 6
 192 <211> LENGTH: 91
 193 <212> TYPE: PRT
 194 <213> ORGANISM: Homo sapiens
 196 <400> SEQUENCE: 6
 197 Met Ser Leu
 198 1 5 10 15
 199 Leu Phe Lys Trp Lys Arg Arg Val Val Ser Gly His Leu Leu Ser Val
 200 20 25 30
 201 Trp Cys Trp Ser Arg Pro His Thr Val Ala Glu Gln Thr His Leu Leu
 202 35 40 45
 203 Ser Leu Gly Asn Glu Gly Leu Gln Val Leu Pro Leu Asp Asn Gly Gly
 204 50 55 60
 205 Gly Gln Gly Arg Leu Gly Thr Asp Tyr Arg Lys Ala Gln Gln Phe Pro
 206 65 70 75 80
 207 Ser Cys Phe Gly Val Glu His Trp Pro Pro Phe
 208 85 90
 210 <210> SEQ ID NO: 7
 211 <211> LENGTH: 591
 212 <212> TYPE: DNA
 213 <213> ORGANISM: Homo sapiens
 215 <220> FEATURE:
 216 <221> NAME/KEY: CDS
 217 <222> LOCATION: (1)...(591)
 219 <400> SEQUENCE: 7
 220 atg agg ccg cga ggt ctc ccg ctc ctg gtg gtg ctc ctg ggc tgc 48
 221 Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
 222 1 5 10 15
 224 tgg gcc tcc gtg agc gcc cag acc gat gcc acc ccg gcg gtg acg aca 96
 225 Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
 226 20 25 30
 228 gag ggc ctc aac tcc acc gag gca gcc ctg gcc acc ttc gga act ttc 144
 229 Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
 230 35 40 45
 232 ccg tcg acc agg ccc ccc ggg act ccc agg gct cca ggg ccc tcc tcc 192
 233 Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
 234 50 55 60
 236 ggc ccc agg cct acc cca gtc acg gac gtt gct gtc tct tgt gtc tgt 240
 237 Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
 238 65 70 75 80
 240 gac tta tcc cca gca cag tgt gac atc aac tgc tgc tgt gat ccc gac 288
 241 Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
 242 85 90 95
 244 tgc agc tcc gtg gat ttc agt gtc ttt tct gcc tgc tca gtt cca gtt 336
 245 Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
 246 100 105 110
 248 gtc aca ctt act gga gct ctc ccg tgt cag ctc gta gca cag aag gtg 384

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249	Val	Thr	Leu	Thr	Gly	Ala	Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	
250			115				120					125					
252	aag	agc	ctg	ctg	tgg	ggc	cag	ggc	ttc	cca	gat	tac	gtg	gcc	cct	ttt	432
253	Lys	Ser	Leu	Leu	Trp	Gly	Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	
254			130				135				140						
256	gga	aat	tcc	cag	gcc	cag	gac	atg	ctg	gac	tgg	tgc	cca	tcc	act	tca	480
257	Gly	Asn	Ser	Gln	Ala	Gln	Asp	Met	Leu	Asp	Trp	Cys	Pro	Ser	Thr	Ser	
258	145				150					155				160			
260	tca	ccc	agt	cat	tca	aca	gga	agg	tgg	tgt	gat	gaa	ggc	agc	cgg	gga	528
261	Ser	Pro	Ser	His	Ser	Thr	Gly	Arg	Trp	Cys	Asp	Glu	Gly	Ser	Arg	Gly	
262						165				170				175			
264	agc	cag	ctg	tta	agg	agg	cag	gat	ggc	cct	gag	tgg	gag	cgc	ggg	ctg	576
265	Ser	Gln	Leu	Leu	Arg	Arg	Gln	Asp	Gly	Pro	Glu	Trp	Glu	Arg	Gly	Leu	
266				180				185				190					
268	aat	ctt	gga	tac	tga												591
269	Asn	Leu	Gly	Tyr	*												
270			195														
273	<210>	SEQ	ID	NO:	8												
274	<211>	LENGTH:	196														
275	<212>	TYPE:	PRT														
276	<213>	ORGANISM:	Homo sapiens														
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279	Met	Arg	Pro	Arg	Gly	Leu	Pro	Pro	Leu	Leu	Val	Val	Leu	Leu	Gly	Cys	
280	1				5				10		15						
281	Trp	Ala	Ser	Val	Ser	Ala	Gln	Thr	Asp	Ala	Thr	Pro	Ala	Val	Thr	Thr	
282					20				25		30						
283	Glu	Gly	Leu	Asn	Ser	Thr	Glu	Ala	Ala	Leu	Ala	Thr	Phe	Gly	Thr	Phe	
284						35			40		45						
285	Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser	
286						50			55		60						
287	Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys	
288						65			70		75				80		
289	Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp	
290						85			90				95				
291	Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val	
292						100			105				110				
293	Val	Thr	Leu	Thr	Gly	Ala	Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	
294						115			120			125					
295	Lys	Ser	Leu	Leu	Trp	Gly	Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	
296						130			135			140					
297	Gly	Asn	Ser	Gln	Ala	Gln	Asp	Met	Leu	Asp	Trp	Cys	Pro	Ser	Thr	Ser	
298						145			150			155			160		
299	Ser	Pro	Ser	His	Ser	Thr	Gly	Arg	Trp	Cys	Asp	Glu	Gly	Ser	Arg	Gly	
300							165			170			175				
301	Ser	Gln	Leu	Leu	Arg	Arg	Gln	Asp	Gly	Pro	Glu	Trp	Glu	Arg	Gly	Leu	
302						180			185			190					
303	Asn	Leu	Gly	Tyr													
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306	<210>	SEQ	ID	NO:	9												

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/893,737

DATE: 07/12/2001

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Input Set : A:\0041.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date